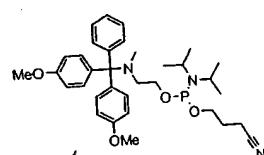
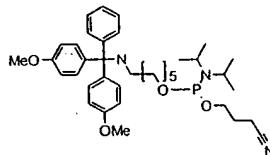


**APPENDIX II**  
**CLEAN VERSION OF THE ENTIRE SET OF PENDING CLAIMS**  
**PURSUANT TO 37 CFR § 1.121 (c)(3)**

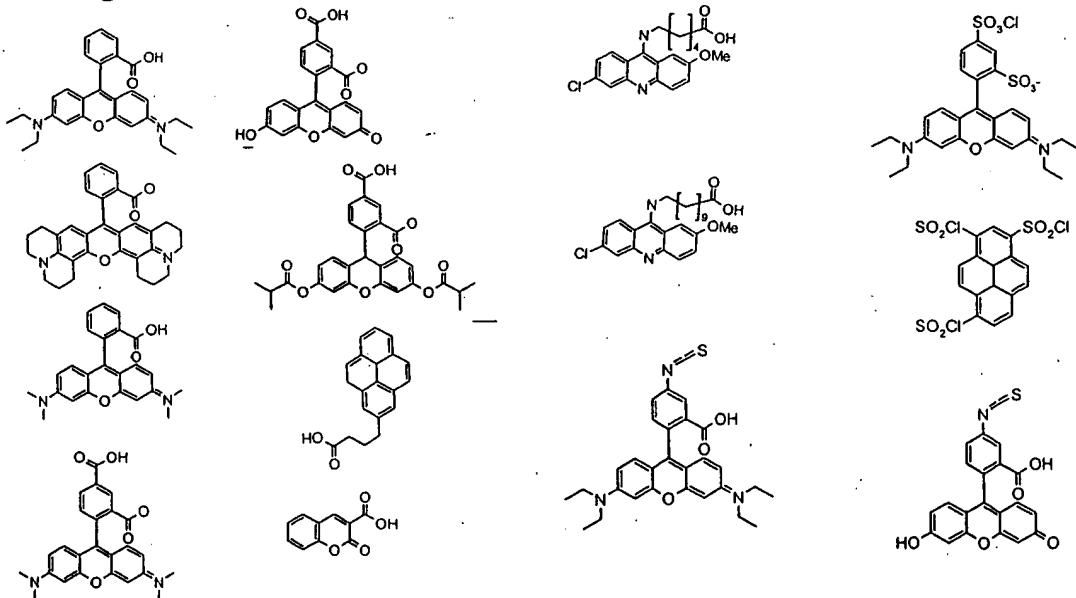
After entry of the amendments recited in the instant correspondence, the following is the entire set of pending claims in the above captioned application:

1. A method of labeling oligonucleotides, comprising:
  - a) providing: i) a solid support-bound oligonucleotide comprising an amino group,
  - ii) a bifunctional linker arm selected from the group consisting of:



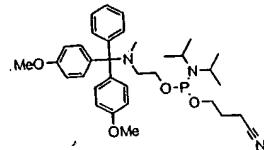
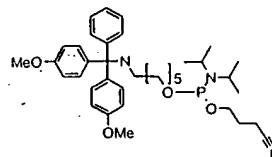
- and iii) an *in situ* unactivated label;
  - b) reacting said solid support-bound oligonucleotide with said bifunctional linker arm to produce a support-bound, linker-oligonucleotide;
  - c) reacting said *in situ* unactivated label to create an *in situ* activated label; and
  - d) reacting said support-bound linker-oligonucleotide with said activated label to produce a labeled support-bound protected oligonucleotide.

3. The method of Claim 1 wherein said activated label is selected from a group consisting of:



4. A method of labeling oligonucleotides, comprising:

- providing: i) a solid support-bound oligonucleotide comprising an amino group,  
ii) a bifunctional linker arm selected from the group consisting of:



and iii) an [activated label] *in situ* unactivated label;

- reacting said solid support-bound oligonucleotide with said bifunctional linker arm to produce a support-bound, protected linker-oligonucleotide;
- reacting said *in situ* unactivated label to create an *in situ* activated label;
- deprotecting the amino group of said support-bound, protected linker-oligonucleotide to produce a support-bound deprotected linker-oligonucleotide, and;
- reacting said support-bound deprotected linker-oligonucleotide with said activated label to produce a labeled support-bound protected oligonucleotide.